

IMPERIAL INSTITUTE OF THE UNITED KINGDOM, THE COLONIES AND INDIA.
SPECIAL
EXHIBITION OF PHOTOGRAPHY,

IN ITS

Applications to the Arts, Sciences, and Industries, throughout the Empire,

1895.

COMMITTEE OF ADVICE (*Preliminary List.*)

REPRESENTATIVES OF THE IMPERIAL INSTITUTE.

The Right Hon. The Lord Chancellor, G. C. B., Chairman, (*ex-officio*).
Professor Henry E. Armstrong, F. R. S. (President of the Chemical Society).
Major-General Sir Owen Tudor Burne, K. C. S. I., C. I. E.
Sir John Evans, K. C. B., D. C. L., LL. D., D. Sc. (Treasurer of the Royal Society).
Mr. C. Washington Eves, C. M. G.
Sir James F. Garrick, Q. C., K. C. M. G.
The Right Hon. Lord Knutsford, G. C. M. G.
Sir Frederick Leighton, Bart, P. B. A.
The Most Noble The Marquis of Lorne, K. T.
Mr. Clements R. Markham, C. B., F. R. S. (President of the Royal Geographical Society).
Sir Westby Brook Perceval, K. C. M. G.
Sir Saul Samuel, K. C. M. G., C. B.
Mr. Alfred Waterhouse, R. A.
Sir Alexander Wilson.

SPECIALLY INVITED REPRESENTATIVES OF THE IMPERIAL INSTITUTE :

Dr. William Anderson, F. R. S.
Sir George Birdwood, K. C. I. E., C. S. I., M. D.
Mr. Edward North Buxton.
General Sir Charles Wilson, K. C. B., R. E.

OTHER MEMBERS :

Captain W. de W. Abney, R. E., C. B., D. C. L., F. R. S., (President of the Royal Astronomical Society).
Mr. C. Chree, M. A.
Mr. W. H. M. Christie, M. A., F. R. S. (Astronomer Royal).
Mr. Lyonel Clark, C. E.
Mr. A. A. Common, D. C. L., F. R. S.
Major Darwin, M. P., R. E. (Secretary of the Royal Geographical Society).
Mr. Horace Darwin, M. A.
Mr. George Davison.
Major-General Sir E. F. Ducane, K. C. B., R. E.
Mr. H. M. Elder, M. A. (Hon. Secretary of the Physical Society).
Colonel J. Farquharson, R. E., C. B. (Director General of the Ordnance Survey).
Colonel J. Gale.
Mr. Francis Galton, F. R. S.
Mr. W. A. Greene.
Captain E. H. Hills, R. E.
Dr. J. Hopkinson, F. R. S.
Mr. William Huggins, D. C. L., LL. D., F. R. S.
Mr. R. Inwards (President of the Meteorological Society).
Lt. Col. Dunkan, A. Johnston, R. E., (Assistant Director General of the Ordnance Survey).
Mr. Chapman Jones, F. R. S. (Hon. Secretary of the Photographic Society).
Professor J. N. Lockyer, C. B., F. R. S.
Professor Meldola, F. R. S.
Mr. C. G. Murrell, M. A., (Hon. Secretary of the Camera Club).
Mr. A. Pringle.
Lord Rayleigh, D. C. L., LL. D., F. R. S. (Secretary of the Royal Society).
Mr. Isaac Roberts, D. Sc. F. R. S.
Professor W. C. Roberts-Austen, C. B., F. R. S.
Mr. F. Seyton Scott.

Mr. J. W. Swan, F. R. S.
 Professor H. H. Turner, M. A., (Oxford University Observatory).
 Mr. Leon Warnerke.
 Mr. G. S. Waterlow, J. P.
 Sir Henry Trueman Wood, M. A., (President of the Photographic Society).

DIVISION 1.—THE HISTORY OF PHOTOGRAPHY.

Sub-Committee of Advice.

| | |
|-----------------------|----------------------------|
| Sir Owen Tudor Burne. | Mr. C. Washington Eves. |
| Mr. Lyonel Clerk. | Sir James Garrick. |
| Major Darwin. | Sir Westby Brook Perceval. |
| Sir E. F. Du Cane. | Sir Saul Samuel. |

Section A.—Illustration of the results of *early* Processes and of apparatus and materials used in their practice.

Section B.—Illustrations of the progressive development of *modern* Processes.

Section C.—Illustrations of the early processes of Photo-mechanical work, and of materials and implements used in their practice.

Section D.—Photographic Literature, early and modern.

DIVISION 2.—ARTISTIC PHOTOGRAPHY.

Sub-Committee of Advice.

| | |
|--------------------------|----------------------------|
| Captain W. de W. Abney. | Sir James F. Garrick. |
| Sir George Birdwood. | Sir Frederick Leighton. |
| Sir Owen Tudor Burne. | The Marquis of Lorne. |
| Mr. Edward North Buxton. | Sir Westby Brook Perceval. |
| Major Darwin. | Sir Saul Samuel. |
| Mr. George Davison. | Mr. Alfred Waterhouse. |
| Mr. C. Washington Eves. | Sir Alexander Wilson. |

Section A.—A thoroughly representative exhibition of all schools, embracing known as well as new works.

Section B.—Illustrations of the present condition of Photographic Art in various Colonies and in India. (*To include illustrations of the application of photography as a medium for promoting Colonial Industries and Settlement*).

DIVISION 3.—PHOTOGRAPHY AS AN INDUSTRY.

Sub-Committee of Advice.

| | |
|-------------------------|--------------------|
| Captain W. de W. Abney. | Sir E. F. Du Cane. |
| Mr. A. A. Common. | Mr. A. Pringle. |
| Mr. Horace Darwin. | |

Section A.—Illustrations of apparatus used in Photography, and of its manufacture; special processes, such as the grinding and polishing of lenses, the production of brass fittings, cameras, etc., being shown in actual operation.

Section B.—The preparation of dry plates, coating of sensitive media, and the various printing processes, shown in actual operation.

Section C.—Reproduction of pictures, plain and in colours. Illustrations of commercial portraiture.

Section D.—Production of portraits, etc., in studios by daylight and artificial light.

DIVISION 4.—PHOTOGRAPHY IN ITS APPLICATIONS TO INDUSTRIES.

Sub-Committee of Advice.

| | |
|-------------------------|-------------------------|
| Mr. George Davison. | Mr. Leon Warnerke. |
| Colonel J. Farquharson. | Mr. G. S. Waterlow. |
| Lieut. Col. Johnston. | Sir Henry Trueman Wood. |
| Mr. F. Seyton Scott. | |

Section A.—Processes of Reproduction, having Photography as their basis, as applied to Illustrated Journalism, Literature, and to purely artistic reproductions; the more common of these processes to be shown in operation, and details connected with rarer processes to be illustrated.

Section B.—Industrial applications of Photography to ornamentation, such as Vitreography; and uses of Photography in the decorative Arts.

DIVISION 5.—APPLICATIONS OF PHOTOGRAPHY TO THE SCIENCES.

Sub-Committee of Advice.

| | |
|-------------------------------|----------------------|
| Captain W. de W. Abney. | Dr. J. Hopkinson. |
| Professor Henry E. Armstrong. | Dr. William Huggins. |
| Sir George Birdwood. | Mr. R. Inwards. |

Mr. C. Chree.
Mr. W. H. M. Christie.
Mr. A. A. Common.
Major Darwin.
Mr. Horace Darwin.
Mr. H. M. Elder.
Sir John Evans.
Mr. Francis Galton.

Mr. Chapman Jones.
Professor J. N. Lockyer.
Mr. A. Pringle.
Lord Rayleigh.
Isaac Roberts.
Professor W. C. Roberts-Austen.
Professor H. H. Turner.
Sir Henry Trueman Wood.

Section A.—*Orthochromatics* :—

Reproduction of objects in colours, pictures, etc.
Results obtained by various stains, screens, etc.
Special appliances used in Orthochromatics.

Section B.—*Actinometry Photometry and Photographic Standards*.

Section C.—*Optics* :—

The Optical Lantern, including processes and appliances for producing enlargements or reductions.

Illustrations of processes for producing lantern positives or transparencies.

Apparatus, instruments and appliances connected with the Optics of Photography.

(*Special exhibitions of lantern-transparencies as lecture illustrations*).

Section D.—*Stereoscopy* :—

Illustrative examples of Stereograms ; apparatus and appliances used for producing and exhibiting stereograms.

Section E.—*Photomicrography, in its applications to ordinary Micrographical Research, to Pathology, Bacteriology, etc.* :—

Apparatus and appliances used in connection with Photomicrography.

Section F.—*Spectroscopy* :—

The Spectra of the heavenly bodies, of gases, metals, etc.

Apparatus and appliances used in spectroscopy.

Section G.—*Meteorology and Magnetism* :—

Cloud-and Lightning-Photographs.

Measurement of Heights of Clouds.

Illustrations of Photographic Recording Apparatus, and their uses.

Section H.—*Astronomy* :—

Photographs of Heavenly Bodies.

Photographic Charts of the Heavens.

Photographic Astronomical Records.

Apparatus, instruments and appliances, used in Astronomical Photography.

Section I.—*Automatic Recording Apparatus*.

Section K.—*General*.

Other applications of Photography to the Sciences, illustrating the results or researches in connection with which Photography has been applied (*e.g.*, Experiments on light and thermography, chemical action of light upon liquids, etc.)

DIVISION 6.—APPLICATIONS OF PHOTOGRAPHY TO EDUCATIONAL PURPOSES.

Sub-Committee of Advice.

Professor Henry E. Armstrong.
Mr. H. M. Elder.

Mr. Chapman Jones. —
Mr. Leon Warnerke.

DIVISION 7.—MISCELLANEOUS APPLICATIONS OF PHOTOGRAPHY.

Sub-Committee of Advice.

Captain W. de W. Abney.
Sir George Birdwood.
Major Darwin.
Sir John Evans.
Mr. C. Washington Eves.
Colonel J. Farquharson.
Mr. Francis Galton.
Sir James F. Garrick.
Mr. W. A. Greene.
Captain E. H. Hills.

Dr. J. Hopkinson.
Lieutenant Colonel Jonston.
Mr. Clements R. Markham.
Sir Westby Brook Perceval.
Sir Saul Samuel.
Mr. Leon Warnerke.
Mr. Alfred Waterhouse.
Sir Alexander Wilson.
Sir Charles Wilson.

Section A.—Illustrations of the applications of Photography to Architecture and Archæology.

Section B.—Applications of Photography to Engineering.

Section C.—Chronography.

Section D.—Applications of Photography to Surveying ; Cartography, &c.
Apparatus and appliances used in Photographic Surveying.

Section E.—Photography as applied to Military and Naval purposes.

Section F.—Applications of Photography to Legal purposes (*e.g.*, detection of forgeries, erasures, etc. ; production of photo-anthropometric records).

Proceedings of the Government of His Highness the Maharaja of Mysore.

READ:—

The following letter, No. 49 of the 23rd August 1894, from the Superintendent, Government Gardens, Bangalore, (with two enclosures):—

In submitting, in original, the enclosed letter from Mr. C. E. Collyer of Messrs. Thirkell and Company, London, I have the honor to suggest that copies of the same may be circulated to District and Revenue authorities, with a view to a really good consignment of silk-cotton being exported from Mysore.

2. In addition to the products named by Mr. Collyer, there are several others of a similar nature that are indigenous to the Province, of which I append a full list. But in collecting samples, or large quantities, it is imperative that the respective products should be kept quite distinct from each other. If any further information on the subject should be required, I shall endeavour to give it.

ENCLOSURE 1.

From C. E. Collyer, Esq., To J. Cameron, Esq., (or Superintendent of) Mysore Government Garden, Bangalore, dated, London, 27th July 1894.

Some years ago, you wrote to my old firm about "*Silk-cotton*" or Mudar—(*Calotropis gigantea*, &c.)—after long inactivity a demand has again sprung up for this material, and I should be glad to receive consignments from you or any of your correspondents—the last price paid was 5d. per lb. landed terms ex-warehouse, London, and at or under this price I think it will be readily saleable.

"*Sennel*" or *Tree Cotton*.

Uncleaned sells at 2d. to 2½d. per lb.
Good cleaned, up to 5d.

I continue, as of old, to give particular attention to all new products especially fibres, and shall be glad to report upon samples.

ENCLOSURE 2.

List of the more important indigenous plants affording silk-cotton.

| <i>Botanical name.</i> | | <i>Kannada name.</i> |
|--|-----|---|
| 1. <i>Calotropis gigantea</i> ... | ... | Yekka, Yekkadagida, No. 390 in "Forest trees." |
| 2. <i>Eriodendron anfractuosum</i> ... | ... | Bili burga No. 61, "Forest trees." |
| 3. <i>Bombax malabaricum</i> ... | ... | Burga, No. 60, "Forest trees." |
| 4. <i>Cochlospermum gossypium</i> ... | ... | Arsina burga, No. 19, "Forest trees." |
| 5. <i>Hoya viridiflora</i> ... | ... | A common jungle climber having green flowers. |
| 6. <i>Cryptostigia grandiflora</i> ... | ... | An introduced climber. Often cultivated for its medicinal properties. |

There are several other climbers and herbs yielding silk-cotton of less importance than the above.

No. 8114-24—G. 1941, DATED, BANGALORE, 20TH NOVEMBER 1894.

ORDER THEREON.—Copies of the foregoing are forwarded to Deputy Commissioners of Districts with a request that publicity may be given to the fact that a demand has again risen in the London Market for silk-cotton. The Superintendent, Government Gardens, will be requested to afford intending shippers every information which would facilitate the export of the article. These papers will also be published in the Supplement to the Government Gazette in English and Kanarese.

T. ANANDA ROW,
Chief Secretary.